

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	TCDS NUMBER: P11BO REVISION: 1
	AVIA PROPELLER LTD. MODEL/S: AVIA V 500A APRIL 5, 2002

TYPE CERTIFICATE DATA SHEET P11BO

This Data Sheet, which is part of Type Certificate No. P11BO, prescribes conditions and limitations under which the product meets the airworthiness requirements of the Federal Aviation Regulations.

TYPE CERTIFICATE HOLDER AVIA PROPELLER LTD.
Beranových 666
Praha 9 – Letnany
199 00
Czech Republic

TYPE Constant speed; hydraulic (See Note 3)

ENGINE SHAFT Flanged: 4.7244" (120 mm) bolt circle

HUB MATERIAL Steel (forged)
BLADE MATERIAL Aluminum Alloy

NUMBER OF BLADES 2

DESIGN SERIES AVIA V 500A

HUB	BLADE	MAXIMUM CONTINUOUS		<TAKE OFF>		NOMINAL DIAMETER	APPROXIMATE WEIGHT
		HP KW	/ RPM	HP KW	/ RPM		
V503-2101	053-1000 CCW Rotation	168 125	/ 2600	216.9 161.8	/ 2750	78.7 in. 2000 mm.	56 lb. 25 kg.

CERTIFICATION BASIS: The U.S. certification basis determined under Section 21.29 of the FAR and Bilateral Airworthiness Agreement between the United States and the Czech Republic is FAR 35, effective February 1, 1965, Amendment: 35-1 to 35-6 inclusive.

TC (IMPORT) NO. June 8, 1994
TC APPLICATION DATE: July 24, 1996, revised April 5, 2002
TC ISSUED:

IMPORT REQUIREMENTS: To be considered eligible for installation on U.S. registered aircraft, each propeller to be exported to the United States shall be accompanied by a certificate of airworthiness for export or certifying statement endorsed by the exporting cognizant civil airworthiness authority which contains the following language:

- (1) This propeller conforms to its United States type design (Type Certificate number P11BO and is in a condition for safe operation.
- (2) This propeller has been subjected by the manufacturer to a final operational check and is in a proper state of airworthiness.

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IMPORT REQUIREMENTS

(cont'd)

Reference FAR Section 21.500 which provides for the airworthiness acceptance of aircraft engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued.

Additional guidance is contained in FAA Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Related Products, Imported into the United States.

NOTES

NOTE 1:	Hub Model Designation	Not applicable
NOTE 2:	Blade Model Designation: 053-1000 (Counter-Clockwise Rotation)	Not applicable
NOTE 3:	Pitch Control:	Propeller Speed Hydraulic Regulator LUN 7810.01
NOTE 4:	(a) Feathering: (b) Reversing:	Not applicable Not applicable
NOTE 5:	Right- and left-hand models:	The approved model is left-hand (counter-clockwise rotation) tractor when viewed from slip stream.
NOTE 6:	Interchangeable blades:	Not applicable.
NOTE 7:	Accessories - Assemblies of the VJ5.500A Propeller System	Propeller Speed Hydraulic Regulator LUN 7810.01 Pressure Oil Distributor P 7900.01 or LUN 7902 Connecting parts (hoses) for installation AVIA V 500A Propeller
NOTE 8:	Shank Fairings:	Not applicable
NOTE 9:	Special Limits:	Life limited components and Continued Airworthiness limitations of the AVIA V500A propeller are listed in Section 1 of the AVIA V 500A Operator's, Installation and Maintenance Manual No. 060-8912.7.
NOTE 10:	Special Notes:	Aircraft installations must be approved as part of the aircraft type certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.

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